

CURRICULUM VITAE

PERSONAL DATA

Name: Sarah L. Krein, Ph.D., R.N.

EDUCATION

08/1985-04/1989	BSN (Bachelor of Science in Nursing, Suma Cum Laude), University of Mary, Bismarck, ND
09/1991-06/1997	Ph.D. (Health Services Research, Policy and Administration), University of Minnesota, Minneapolis, MN

ACADEMIC APPOINTMENTS

09/1991-05/1992	Graduate Assistant, Division of Health Services Administration, University of Minnesota, Minneapolis, MN
06/1992-09/1992	Research Assistant, "The Use of Psychotropic Drugs in Nursing Homes," University of Minnesota, Institute for Health Service Research, Minneapolis, MN
09/1992-09/1993	Research Assistant, "Diabetes PORT," University of Minnesota, Institute for Health Services Research , Minneapolis, MN
09/1993-06/1997	Research Assistant, University of Minnesota Rural Health Research Center, Institute for Health Services Research, Minneapolis, MN
11/1998-06/2001	Adjunct Research Associate, Division of General Medicine, Department of Internal Medicine, University of Michigan, Ann Arbor, MI
06/2001-09/2006	Research Investigator, Division of General Medicine, Department of Internal Medicine, University of Michigan, Ann Arbor, MI
09/2006-present	Research Assistant Professor, Division of General Medicine, Department of Internal Medicine, University of Michigan, Ann Arbor, MI

OTHER APPOINTMENTS

08/1997-present Research Health Science Specialist, Research Investigator, Center for Practice Management and Outcomes Research, Ann Arbor Health Services Research and Development Center of Excellence, VA Ann Arbor Healthcare System, Ann Arbor, MI

SCIENTIFIC ACTIVITIES

Study Sections

2004	Ad-hoc member of the Centers for Disease Control and Prevention Public Health Research Peer Review Panel
2004, 2005	Ad-hoc member of the VA HSR&D Scientific Merit Review Board
2005	Ad-hoc member of the Centers for Disease Control and Prevention Special Emphasis Panel (SEP) for Program Announcement Ci-5-006
2006	Ad-hoc member of the VA HSR&D General Health Services Scientific Merit Review Board

Reviewer

1996-2003	Journal of Rural Health
1999	Journal of the American Medical Association (JAMA)
2000	Health Services Research (HSR)
2002	Canadian Medical Association Journal
2003	Journal of the National Medical Association, Health Care Financing Review
2003-present	Diabetes Care, Medical Care, American Journal of Managed Care
2004	Archives of Internal Medicine
2006	Journal of General Internal Medicine, Medical Care

GRANT SUPPORT

Current

DIB 98-001 R. Hayward/E. Kerr (PI)	10/01/98 – 09/30/2007
VA	30% Effort / \$300,000 per yr

Quality Enhancement Research Initiative - Diabetes Mellitus (QUERI-DM)

This project is part of a comprehensive effort by the VHA to enhance the quality of care provided by using research to help inform the quality improvement process. QUERI-DM is charged with helping to identify, implement, and evaluate ways to improve diabetes care.

Role: Co-Director

1R18 DK070020-01A2	B. Anderson (PI)	06/01/06 – 05/31/2011
NIH NIDDK		4% Effort / \$754,319 curr yr

Evaluation of a Long-Term Self-Management Support System

This study will compare the effectiveness of access to a weekly community-based group (CBG) intervention, and an enhanced usual-care (EUC) control group in helping urban African-American adults with type 2 diabetes achieve and sustain effective self-management, quality of life, and diabetes-related health gains over the long term (three years duration).

Role: Co-Investigator/Health Economist

5P60DK-20572 W. Herman (PI) 12/01/02–11/30/2007
NIH NIDDK 9% Effort / \$1,250,000 per yr

Michigan Diabetes Research and Training Center

The major goals of the Diabetes Research and Training Center are to meet the needs of investigators and thereby support and strengthen the University's interdepartmental activities in research, training and outreach in the field of diabetes, its complications, and related endocrine and metabolic disorders.

Role: Co-Investigator

IIR 02-225 E. Kerr/T. Hofer (Co-PIs) 03/01/04 – 02/28/2008
VA 5% Effort /\$363,578 curr yr

Addressing Barriers to Translation for Treatment of Hypertension

The objectives of this study are to: 1) identify important clinician, organizational and patient factors that contribute to inadequate treatment of elevated blood pressure among patients with diabetes; and 2) understand the relative contributions of these factors in the failure to initiate appropriate treatment among patients with uncontrolled hypertension.

Role: Co-Investigator

IIR, #E03-3362R C. Blaum (PI) 05/01/05 - 04/30/2008
VA 2.5% Effort /\$249,498 curr yr

Aerobic Performance, Mobility Limitations and Exercise in Older Adults With Diabetes

The proposed research has two goals: 1) to rigorously test a practical exercise activity for its ability to improve aerobic function, mobility function, and reported activity levels and to explore its effect on quality of life and diabetes-related physician visits and hospitalizations; and (2) to use this intervention to investigate the mechanistic links between aerobic and mobility impairments, including evaluating the utility of a less burdensome method to assess aerobic function.

Role: Co-investigator/Health Economist

IIR 03-254 D. Aron (PI) 04/01/05 - 03/31/2009
VA 5% Effort / \$185,900 curr yr

Diabetes Telemedicine Consultation: A Systems Improvement Intervention

The study objective is to evaluate and document the processes and costs of outreach consultation using joint-clinic via teleconferencing (teleconsultation) as an intervention for system improvement in care delivery and management of diabetes at community-based outpatient clinics (CBOCs)

Role: Co-investigator/Health Economist

SAF 04-031 S. Krein/S. Saint (Co-PI)
VA

10/01/04 – 3/31/2008
35% Effort / \$221,473 curr yr

Translating Infection Prevention Evidence to Enhance Patient Safety

The objective of this research is to identify and develop strategies to optimize the successful implementation of key practices in the field of patient safety and nosocomial infection prevention.

Role: PI

SDP 06-003 S. Duffy (PI)
VA

10/01/06 – 09/30/2009
5% Effort/ \$295,500 curr yr

Inpatient Patient Smoking Cessation: Bringing the Program to the Smoker

The objective of this Service Directed Project (SDP) is to implement and evaluate an inpatient, nurse-administered cessation program in the three largest VISN 11 hospitals.

Role: Co-investigator/Health Economist

CSP 465 R. Hayward (PI economic analysis subcontract)
VA

07/01/00 – 06/30/2008
15% Effort/\$52,923 curr yr

Glycemic Control and Complications in Diabetes Mellitus Type 2

The objective of this project is to assess the cost implications and adherence to medications as part of the evaluation of CSP 465 (VA diabetes trial), a randomized controlled trial to determine whether control, achieved through intensification of treatment, is effective in preventing clinical macrovascular complications in patients with type 2 diabetes who are no longer responsive to oral agents alone.

Role: Health Economist

Completed Research Support

IIR 97-0771 S. Krein & R. Hayward (Co-PI)
VA

09/01/98 – 08/31/2002

Proactive Diabetes Case Management

This project uses a randomized controlled trial to evaluate a proactive case management intervention for patients with type 2 diabetes.

Role: Co-PI

TRH 01-031 J. Lowery & S. Krein (Co-PI)
VA

07/01/01 – 3/31/2003

A Customfit Approach to Guideline Implementation

This project will test and validate a physician classification instrument that can be used by clinicians and managers to tailor the design of their research translation or guideline implementation efforts to the types of physicians in their organizations, thereby improving the effectiveness of their efforts.

Role: Co-PI

IIR 98-500 S. Duffy (PI)
VA

10/01/00 – 03/31/2004

A Smoking, Alcohol and Depression Intervention for Head and Neck Cancer

This study will determine whether a combined intervention for smoking, alcohol use and depression is effective in improving the quality of life of veterans diagnosed with head and neck cancers.

Role: Co-Investigator/Health Economist

SDR 01-019 R. Hayward & E. Kerr (Co-PIs)
VA

03/01/01 – 2/28/2004

Translating Research Into Practice for Diabetes in the VA

This study is designed to provide a better understanding of the effectiveness of different systems and organizational features of health care delivery within the VHA to improve the processes and outcomes of care for veterans with diabetes and allow benchmarking of diabetes care in VA with diabetes care provided in the private sector.

Role: Co-Investigator

IIR 99-238 J. Inadomi (PI)
VA

07/01/01 – 06/30/2004

Economic Impact of Guidelines for Gastroesophageal Reflux Disease

This study will compare healthcare expenditures, patient quality of life and satisfaction for patients treated according to the VA's drug treatment guideline for Gastroesophageal Reflux Disease versus those receiving usual care.

Role: Co-Investigator/Health Economist

SDR 03-318 E. Kerr(PI)
VA

05/01/04 – 04/30/2005

Translating Research Into Practice for Diabetes in the VA, phase 2

The purpose of this planning study is to determine the feasibility of continuing our collaboration with the CDC in a second phase of the TRIAD study (TRIAD-VA), which was designed to provide a better understanding of the effectiveness of different systems and organizational features of health care delivery within the VHA to improve the processes and outcomes of care for veterans with diabetes and allow benchmarking of diabetes care in VA with diabetes care provided in the private sector.

Role: Co-Investigator

IIR 01-074 M. Valenstein (PI)
VA

07/01/02 – 06/30/2005

Improving Antipsychotic Adherence in Patients with Schizophrenia

This study is a randomized controlled trial to examine the effectiveness and cost of a pharmacy-based intervention for improving medication adherence among poorly adherent patients with schizophrenia.

Role: Co-Investigator/Health Economist

DIT 02-064 R. Hayward & S. Bernstein (Co-PIs)
VA

01/01/04 – 12/31/2005

10% Effort / \$281,454 curr yr

An Evaluation of a Coordinated Proactive Eye Care Program

The objective of this study is to develop and evaluate a coordinated and targeted system-level intervention to: 1) improve optimal timing of photocoagulation for patients with diabetes; 2) improve compliance with retinopathy screening and surveillance guidelines; 3) improve patient and provider satisfaction; 4) reduce diabetic eye care visit rates; 5) decrease health care resource use; and 6) improve the cost-effectiveness of eye care for patients with diabetes.

Role: Co-Investigator/Health Economist

R18 DK62323-01 B. Anderson (PI)

08/01/02 – 07/31/2006

NIH NIDDK

4% Effort / \$431,767 curr yr

Evaluating Nurse-Managed Collaborative Diabetes Care

This randomized controlled trial is designed to compare the effectiveness of a Diabetes Self-Management Consultant (DSMC) intervention for adults with type 2 diabetes with unsatisfactory glucose control (i.e., HbA1c \geq 8%).

Role: Co-Investigator/Health Economist

IIR 03-200

M. Maciejewski (PI)

05/01/04 – 06/30/2006

VA

5% Effort / \$274,858 curr yr

VA Prescription Drug Copayments and Veterans with Diabetes or Hypertension

The purpose of this study is to evaluate the effect of the increase in the VA medication copayment from \$2 to \$7 on prescription drug use, health outcomes and health care use for veterans with diabetes and/or hypertension in 4 sites.

Role: Co-Investigator

Pending**CERTIFICATION AND LICENSURE**

Nursing Licensure: Registered Nurse, State of Michigan, since 1997

MILITARY SERVICE

None

HONORS AND AWARDS

1985-1989 Presidential Laureate Scholarship Recipient

1989 Sigma Theta Tau (nursing honor society)

1998 Special Contribution Award, Department of Veterans Affairs

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

AcademyHealth

International Health Economics Association (iHEA)

Association for Professionals in Infection Control and Epidemiology, Inc. (APIC)

AOPA

TEACHING ACTIVITIES

09/1993-12/1993

Teaching Assistant, University of Minnesota, Institute for Health Services Research

1997-present	Presenter and Seminar Participant, University of Michigan General Medicine Weekly Research Conference (present 1 conference per year)
1997-present	Presenter and Seminar Participant, Ann Arbor VA Center for Practice Management and Outcomes Research Monthly Research Conference (present 1 conference per year)
2001-2002	Mentored Michele Heisler, MD, MPA, University of Michigan Robert Wood Johnson Clinical Scholar and Lecturer, University of Michigan Department of Medicine on use of multi-level modeling techniques
2005-2006	Co-Mentored Jennifer Hefner, pre-doctoral student, University of Michigan School of Public Health
2006	Seminar: “Frameworks for Understanding and Implementing Quality Improvement Interventions: An Organizational Perspective.” University of Michigan Robert Wood Johnson Foundation Clinical Scholars Program. March 2006 and December 2006
2005-2006	Mentored John Hollingsworth, MD, Department of Urology, University of Michigan Medical School on quantitative methods for practicum
2006	Mentoring Crista Johnson, MD, University of Michigan Robert Wood Johnson Clinical Scholar and Lecturer, Obstetrics & Gynecology, University of Michigan Medical School on quantitative methods

EXTRAMURAL INVITED PRESENTATIONS

“QUERI-DM: A Clinical/Research Partnership to Enhance Diabetes Care for Veterans.” Invited presentation, VA Diabetes Educators Specialty Practice Group, Orlando, FL, August 16, 1999.

“QUERI: Translating Research into Practice.” Invited presentation, VA Diabetes Educators Specialty Practice Group, San Diego, CA, August 8, 2000.

“Proactive Diabetes Case Management: Translating Research into Practice.” Invited presentation, Evidence-Based Practice 2001 – Clinical Relevance and Practice Realities, Ann Arbor, MI, March 23, 2001.

“Diabetes Care Management: Example VA Ann Arbor Healthcare System.” Invited

presentation, VA Diabetes Educators Specialty Practice Group, Louisville, KY, August 13, 2001.

“Use of Electronic Medical Record Data and Automated Clinical Databases For System-wide Quality Improvement” Invited presentation as part of panel session on Informatics Strategies to Support Evidenced-based Practice at the Information Technology Conference/ Office of Information, Austin, TX, August 6, 2003.

“Measuring Outcomes of a Case Management Program”. Invited presentation, VISN 11 Primary Care Case Management Conference, Kalamazoo, MI, November 4, 2004.

“Step by Step through the QUERI Process: Improving Diabetes Eye Care.” Invited presentation as part of panel session on Lessons Learned from VA Implementation Research. AcademyHealth 2005 Annual Research Meeting, Boston, MA, June 27, 2005.

“Moving Evidence from the Journals to the Patient’s Bedside: Translating Infection Prevention Evidence to Enhance Patient Safety (TRIP).” Invited presentation at the Michigan Society for Infection control (MSIC) Spring Conference, Lansing, MI, April 20, 2006.

OTHER PRESENTATIONS

"The Employment and Use of Nurse Practitioners and Physician Assistants By Rural Hospitals," Paper presented at the National Rural Health Association Conference, Minneapolis, MN, May 1996.

“Rural Hospitals and Rural Health Clinics,” Poster presentation at the National Rural Health Association Conference, Seattle, WA, May 1997.

“VHA’s Quality Enhancement Research Initiative for Diabetes Mellitus (QUERI-DM),” Poster presented at the 1st Annual National VA Diabetes Symposium, Washington, D.C., March 1999.

“Michigan Diabetes Outreach Networks (MDONs): Evaluating the Impact on Care Process and Patient Outcomes,” Paper presented at the CDC Diabetes Translation Conference, Albuquerque, NM, April 1999.

“Michigan Diabetes Outreach Networks (MDONs): A Public Health Approach to Improve Diabetes Care and Outcomes,” Poster presented at the Association for Health Services Research 16th annual meeting, Chicago, IL, June 27, 1999.

“Examining Variation at Provider, Team and Facility Level for Performance Indicators Related to Diabetes Care,” Paper presented at the HSR&D Service 18th Annual Meeting, Washington, D.C., March 23, 2000.

“Aspirin Use and Counseling About Aspirin Among Patients With Diabetes in VA” Krein SL, Kerr EA, Smith DM, Hogan MM, Hayward RA. Poster presented at the HSR&D Service 19th Annual Meeting, Washington, D.C., February, 15-16, 2001.

“Proactive Diabetes Case Management: Expectation Versus Reality” Krein SL, Klamerus ML, Vijan S, Pawlow A, Reeves P, Hayward, RA. Poster presented at the HSR&D Service 20th Annual Meeting, Washington, D.C., February, 14-15, 2002.

“Case Management: Is it Meeting Expectations?” Krein SL, Klamerus ML, Vijan S, Lee J, Fitzgerald T, Hayward, RA. Poster presented at the Academy for Health Services Research and Policy Annual Research Meeting, Washington, D.C., June, 25, 2002.

“Chronic Pain and Self-management Among Veterans with Diabetes.” Krein SL, Heisler M, Piette JD, Makki F, Kerr EA. Poster presented at the VA HSR&D Service 22nd Annual Meeting, Washington, D.C., March 10, 2004.

“Does Self-Efficacy Mediate the Influence of Chronic Pain on Patients’ Self-Care Adherence?” Krein SL, Heisler M, Piette JD, Butchart A, Kerr EA. Poster presented at the VA HSR&D Service National Meeting, Arlington, VA, February 16, 2006.

“Adoption of Infection Prevention Practices by VA and non-VA Hospitals.” Krein SL, Hofer T, Kowalski C, Saint S. Poster presented at the VA HSR&D Service National Meeting, Arlington, VA, February 16, 2006.

“Adoption of Device-Related Infection Prevention Practices by U.S. Hospitals.” Krein, SL, Hofer T, Kowalski C, Banaszak-Holl J, Saint S. Poster presented at the AcademyHealth 2006 Annual Research Meeting, Seattle, WA, June 26, 2006.

COMMITTEE AND ADMINISTRATIVE SERVICES

1998 – present	Quality Enhancement Research Initiative – Diabetes Mellitus (QUERI-DM) Executive Committee, Veterans Health Administration
1998 – present	Co-director QUERI – DM Research Coordinating Center
2000 – present	National Kidney Foundation of Michigan Community Health Initiatives Advisory Committee
2000 – 2004	VA-University of Michigan-Trinity Health Evidence-Based Practice Conference Planning Committee
2001 – present	VISN 11 Care Management Committee
2002	VA Health Care Atlas Steering Committee
2002 – 2004	Michigan Department of Community Health, Diabetes Prevention and Control Program, Strategic Planning Task Force/Steering Committee
2004 – present	Michigan Department of Community Health, Diabetes Partners in Action Coalition Board of Directors
2006 – present	Quality Enhancement Research Initiative – Stroke Executive Committee Member, Veterans Health Administration

2006 – present VA Health Economics Resource Center, Steering Committee member

BIBLIOGRAPHY

Publications in Scientific Journals

Peer-Reviewed Publications

1. Yawn, B., Wellever, A., Hartley, D., Casey, M., Krein, S., and Moscovice, I. Availability of rural Minnesota obstetric services: Is it a problem? The Journal of Rural Health. 1995; 11(3): 192-203
2. Krein, S. The employment and use of nurse practitioners and physician assistants by rural hospitals. The Journal of Rural Health. 1997; 13 (1): 45-58
3. Krein, S. L., Christianson, J. C., and Chen, M. The composition of rural hospital medical staffs: The influence of hospital neighbors. The Journal of Rural Health. 1997; 13 (4): 306-319
4. Yawn, B., and Krein, S. Rural enrollment in MinnesotaCare. Minnesota Medicine. 1997;80 (4): 42-49
5. Yawn, B., Krein, S., Christianson, J., Hartley, D., and Moscovice, I. Rural radiology: Who is producing images and who is reading them? The Journal of Rural Health. 1997; 13 (2): 136-144
6. Moscovice, I., Casey, M., and Krein, S. Rural managed care: Patterns and prospects. Health Affairs. 1998; 17 (1): 172-179
7. Krein, S., and Casey, M. Research on managed care organizations in rural communities. The Journal of Rural Health. 1998; 14(3): 180-199
8. Christianson, J., and Krein, S. NorthMed HMO. The Journal of Rural Health. 1998; 14(3): 233-243.
9. Krein, S. L. The adoption of provider-based rural health clinics by rural hospitals: A study of market and institutional forces. Health Services Research. 1999; 34(1): 33-60.
10. Krein, S. L., Hayward, R.A., Pogach, L., and BootsMiller, B.J. Department of Veterans Affairs Quality Enhancement Research Initiative for Diabetes Mellitus. Medical Care. 2000; 38(6): I38-I48.
11. Krein, S.L., and Klamerus, M. Michigan diabetes outreach networks: a public health approach to strengthening diabetes care. Journal of Community Health. 2000, 24(6): 495-511.

12. Kerr, E.A., Krein, S.L., Vijan, S., Hofer, T.P., and Hayward, R.A. Avoiding pitfalls in chronic disease quality measurement: A case for the next generation of technical quality measures. The American Journal of Managed Care. 2001, 7(11): 1033-1043.
13. Krein, S.L., Hofer, T.P., Kerr, E.A., and Hayward, R.A. Whom should we profile? Examining diabetes care practice variation among primary care provider, provider teams and healthcare facilities. Health Services Research. 2002, 37(5): 1159-1180.
14. Krein, S.L., Vijan, S., Pogach, L.M., Hogan, M.M., and Kerr, E.A. Aspirin use and counseling about aspirin among patients with diabetes. Diabetes Care. 2002, 24(6): 965-970.
15. Kerr E.A., Smith D.M., Hogan M.H., Krein S.L., Pogach L., Hofer T.P., and Hayward R.A. Comparing diabetes quality measures derived from different data sources. Joint Commission Journal on Quality Improvement. 2002; 28(10): 555-565.
16. Heisler, M., Smith D.M., Hayward R.A., Krein, S.L., and Kerr E.A. How well do patients' own assessments of their diabetes self-management correlate with actual glycemic control and receipt of recommended diabetes services? Diabetes Care. 2003;26(3):738-743.
17. Heisler, M., Smith, D.M., Hayward, R.A., Krein, S.L., and Kerr, E.A. Racial disparities in diabetes care processes, outcomes, and treatment intensity. Medical Care. 2003;41(11):1221-1232.
18. Kerr, E.A., Smith, D.M., Hogan, M.H., Hofer, T.P., Krein, S.L., Bermann, M., and Hayward, R.A. Building a better quality measure: Are some patients with "poor quality" actually getting good quality care? Medical Care. 2003;41(10):1173-1182.
19. Hayward, R.A., Hofer, T.P., Kerr, E.A., and Krein, S.L. Quality improvement initiatives: issues in moving from diabetes guidelines to policy. Diabetes Care. 2004; 27(S2):B54-B60
20. Krein, S.L., Klamerus, M.L., Vijan, S., Lee, J.L., Fitzgerald, J.T., Pawlow, A., Reeves, P. and Hayward, R.A. Case management for patients with poorly controlled diabetes: A randomized trial. American Journal of Medicine. 2004;116(11): 732-739.
21. Kerr, E.A., Gerzoff, R.B., Krein, S.L., Selby, J.V., Piette, J.D., Curb, J.D., Herman, W.H., Marrero, D.G., Narayan, K.M.V., Safford, and M.M. Mangione, C.M. A Comparison of Diabetes Care Quality in Veterans Affairs and Commercial Managed Health Care Systems: Results from the TRIAD Study. Annals of Internal Medicine. 2004;141(4): 272-281.
22. Krein, S.L., Heisler, M., Piette, J.D., Makki, F., Kerr, E.A. The effect of chronic pain on diabetes patient's self-management. Diabetes Care. 2005;28(1):65-70.
23. Jackson, G. L., Yano, E. M., Edelman, D., Krein, S. L., Ibrahim, M. A., Carey, T. S., Lee, S.Y. D., Hartmann, K. E., Dudley, T. K., & Weinberger, M. (2005). Veterans affairs primary

- care organizational characteristics associated with better diabetes control. American Journal of Managed Care. 2005;11(4):225-237.
24. Choe, H.M., Mitrovich S., Dubay D., Hayward R.A., Krein S.L., Vijan S. Proactive case management of high-risk patients with type 2 diabetes by a clinical pharmacist. American Journal of Managed Care. 2005;11(4):253-260.
 25. Piette, J.D., Heisler, M., Krein, S.L., Kerr, E.A. The Role of Physician Trust as a Buffer Against Medication Non-Adherence Due to Cost Pressures. Archives of Internal Medicine. 2005;165:1749-1755.
 26. Krein, S.L., Olmsted, R.N., Hofer, T.P., Kowalski, C., Forman, J., Banaszak-Holl, J., Saint S. Translating infection prevention evidence into practice using quantitative and qualitative research. AJIC: American Journal of Infection Control. 2006;34(8): 507-12.
 27. Krein, S.L., Bingham, C.R., McCarthy, J.F., Mitchinson, A., Payes, J., Valenstein, M. Diabetes treatment among VA patients with comorbid serious mental illness. Psychiatric Services. 2006;57(7): 1016-1021.
 28. Johnston MV, Pogach L, Rajan M, Mitchinson A, Krein SL, Bonacker K, Reiber G. Personal and treatment factors associated with foot self-care among veterans with diabetes. J Rehab Research and Development. 2006;43(2):227-38.
 29. Kim, C., Kerr, E.A., Bernstein, S., Krein S.L. Gender disparities in lipid management: the presence of disparities depends on the quality measure. American Journal of Managed Care. 2006;12:133-136.
 30. Olmsted, R.N., Kowalski, C.P., Krein, S.L., Saint, S. Reading habits of infection control coordinators in the United States: peer-reviewed or non peer-reviewed evidence? AJIC: American Journal of Infection Control. 2006;34:616-20.
 31. Krein, S.L., Funnell, M.M., Piette. Economics of Diabetes. Nursing Clinics of North America 2006;41:499-511.
 32. Madigan, M., Smith-Wheelock, L., Krein, S.L. Healthy hair starts with a healthy body: using hair stylists as lay health advisors to prevent chronic kidney disease in eight Michigan cities. Preventing Chronic Disease (in press)
 33. Kupersmith, J., Francis, J., Kerr, E., Krein, S., Pogach, L., Kolodner, R.M., Perlin, J.B. Advancing Evidence-Based Care in Diabetes through Health Information Technology: Lessons from the Veterans Health Administration. Health Affairs 2007;26:W156-W168.
 34. Krein, S.L., Heisler, M., Piette, J.D., Butchart, A., Kerr, E.A. Overcoming the Influence of Chronic Pain on Older Patients' Difficulty With Recommended Self-Management Activities. The Gerontologist 2007;47(1):61-68.

35. Hollingsworth, J.M., Hollenbeck, B.K., Englesbe, M., DeMonner, S., Krein, S.L. Operative mortality after renal transplantation: does surgeon type matter? The Journal of Urology (in press)
36. Krein, S.L., Hofer, T.P., Kowalski, C., Olmsted, R.N., Kauffman, C.A., Forman, J., Banaszak-Holl, J., Saint, S. Are U.S. hospitals applying evidence to prevent central venous catheter-associated bloodstream infection? Mayo Clinic Proceedings (in press)

Articles submitted for Publication

1. Hollingsworth, J.M., Krein, S.L., Miller, D.C., DeMonner, S., Hollenbeck, B.K. Sponsor leverage and hospital compliance with a benchmark.
2. Krein, S.L., Bernstein, S.J., Fletcher, C.E., Makki, F., Goldzweig, C.L., Watts, B., Vijan, S., Hayward, R.A. Improving eye care for veterans with diabetes: an example of using the QUERI steps to move from evidence to implementation
3. Kerr, E. A., Heisler, M., Krein, S.L., Kabeto, M., Langa, K.M., Weir, D., Piette, J.D. Beyond Comorbidity Counts: How Do Comorbidity Type and Severity Influence Diabetes Patients' Treatment Priorities and Self-Management?

Letters to the editor

1. Krein, S.L., Vijan, S., Choe, H.M., Hayward, R.A. Quality improvement strategies for type 2 diabetes. *JAMA* 2006;296(22):2680.

Dissertation

Krein, S. L. Rural hospitals and rural health clinics: The influence of market and institutional forces. University of Minnesota, Minneapolis, MN, June 1997. Advisor: Jon C. Christianson, PhD

University of Minnesota, Rural Health Research Publications

1. Casey, M., Krein S., Connor R. , Wellever A., and Yawn B. Literature review and policy analysis of primary care workforce options in rural areas, prepared under contract to the Agency For Health Care Policy and Research, Contract No. 282-93-0037 (DO #2), AHCPR Rural Center, University of Minnesota, Institute for Health Services Research, March 1995
2. Wellever, A., Casey, M., Krein, S., Yawn, B., and Moscovice, I. Rural physicians and HMOs: An uneasy partnership. Rural Health Research Center Working Paper Series #17, University of Minnesota, Institute for Health Services Research, December, 1996
3. Moscovice, I., Wellever, A., and Krein, S. Rural health networks: Forms & function. Rural Health Research Center, Division of Health Services Research and Policy, School of Public Health, University of Minnesota, Minneapolis, MN, September 1997

